

AN ANNOTATED CHECK LIST OF THE TREEHOPPERS (HOMOPTERA: MEMBRACIDAE) OF KENTUCKY^{1,2}

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ABSTRACT: County records are reported for 53 species of Membracidae from Kentucky. This list includes 23 new state records.

This paper is the first listing of the treehopper fauna of Kentucky. Funkhouser (1927) listed 25 species for the state of Kentucky, and Kopp and Yonke (1973 a,b,c and 1974) recorded 5 additional species. We have added 23 state records to make a total of 53 species listed in this paper and expect further collecting will undoubtedly reveal more new records.

County records are given for each species, plus the earliest and latest collection dates, and all months that adults have been taken in Kentucky. Determinations were made by the third author. Records presented here are based primarily on specimens in the University of Kentucky and University of Louisville collections, unless otherwise noted.

The arrangement of this family follows Kopp and Yonke (1973 a,b,c and 1974).

SUBFAMILY CENTROTINAE

Genus *MICROCENTRUS* Stål

Nicrocentrus caryae (Fitch) NEW STATE RECORD. Fayette Co. Aug. 4-6.

SUBFAMILY HOPLOPHORIONINAE

Genus *PLATCOTIS* Stål

Platcotis vittata (Fabricius). Counties: Boyle, Breathitt, Bullitt, Fayette, Hardin, Harlan, Jefferson, Kenton, Knox, Pendleton, Powell, Rockcastle. April 28, June, Aug., Sept., Oct. 30.

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SUBFAMILY MEMBRACINAE

Genus *CAMPYLENCHIA* Stål

Campylenchia latipes (Say). Counties: Boone, Breathitt, Bullitt, Butler, Caldwell, Fayette, Fulton, Graves, Hickman, Jefferson, Knott, Larue, Meade, Nelson, Nicholas, Oldham, Pendleton, Pulaski, Trigg. June 11, July, Aug., Sept., Nov. 18.

Genus *ENCHENOPEA* Amyot & Serville

Enchenopa binotata (Say). Counties: Allen, Bell, Boyd, Boyle, Calloway, Fayette, Jefferson, Jessamine, Lyon, Mercer, Pendleton, Scott, Trigg. June 10, July, Aug., Sept., Oct. 15.

Genus *TYLOPELTA* Fowler

Tylopelta americana (Goding). Nelson Co. May 11-June 10.

SUBFAMILY SMILIINAE

Tribe Acutalini

Genus *ACUTALIS* Fairmaire

Acutalis tartarea (Say). Counties: Barren, Boone, Bourbon, Breathitt, Bullitt, Calloway, Fayette, Grant, Hardin, Henderson, Hickman, Hopkins, Jefferson, Jessamine, Kenton, Mercer, Morgan, Muhlenberg, Pike, Powell, Wayne, Wolfe. June 11, July, Aug., Sept., Oct., Nov. 15.

Genus *MICRUTALIS* Fowler

Micrutalis calva (Say). Counties: Breathitt, Butler, Caldwell, Fayette, Franklin, Fulton, Grant, Hickman, Jefferson, Lyon, Marshall, Mercer, Nelson, Perry, Simpson, Spencer. May 25, June, Aug., Sept., Oct., Nov. 3.

Tribe Ceresini

Genus *HADROPHALLUS* Kopp & Yonke

Hadrophallus borealis (Fairmaire). Counties: Bell, Hart and Woodford. Aug.-Sept. All records of this species are from the U.S. National Museum.

Genus *SPISSISTILUS* Caldwell

Spissistilus festinus (Say). NEW STATE RECORD. Counties: Barren, Breathitt, Bullitt, Butler, Jefferson, Owsley, Perry, Powell, Taylor, Trigg. July 7, Aug., Sept., Oct. 9.

Genus *STICTOCEPHALA* Stål

Stictocephala albescens (Van Duzee). Jefferson Co. Sept. 23.

Stictocephala basalis (Walker). Reported from Kentucky by Kopp & Yonke (1973b). First recorded from Kentucky by Funkhouser (1927).

- Stictocephala bisonia* Kopp & Yonke. Counties: Ballard, Bath, Boone, Breckinridge, Bullitt, Crittenden, Fayette, Hancock, Henderson, Jefferson, Jessamine, Kenton, Nelson, Oldham, Owen, Pendleton, Powell, Scott, Wolfe. June 24, July, Aug., Sept., Oct., Nov. 9.
- Stictocephala brevicornis* (Fitch). Counties: Anderson, Barren, Boone, Bourbon, Fayette, Fleming, Grant. June 20, July, Aug., Sept., Oct. 20.
- Stictocephala brevis* (Walker). Reported from Kentucky by Kopp & Yonke (1973b). First recorded from Kentucky by Funkhouser (1923).
- Stictocephala brevitylus* (Van Duzee). Counties: Breathitt, Fleming, Fulton, Hardin, Henderson, Jefferson, Jessamine, Nelson, Oldham. April 24, May, June, July, Aug. 29.
- Stictocephala constans* (Walker). Reported from Kentucky by Kopp & Yonke (1973b). First recorded from Kentucky by Funkhouser (1927).
- Stictocephala dicerus* (Say). Counties: Anderson, Fayette, Jefferson, Lyon, Owen. July 12, Aug., Sept., Oct. 18.
- Stictocephala lutea* (Walker). Counties: Breathitt, Boone, Bullitt, Christian, Hardin, Harlan, Henderson, Jefferson, Larue, Morgan, Nelson, Trigg, Wayne. May 22, June, July 26.
- Stictocephala palmeri* (Van Duzee). Counties: Bullitt, Hardin, Jefferson, Oldham. June 20, July, Aug., Sept., Oct. 18.
- Stictocephala taurina* (Fitch). Counties: Anderson, Bourbon, Fayette, Jefferson, Jessamine, Meade. June 10, July, Sept., Oct. 17.

Genus *TORTISTILUS* Caldwell

- Tortistilus inermis* (Fabricius). Counties: Boone, Bullitt, Fayette, Jefferson, Mercer, Oldham, Pendleton, Scott. April, May, June, July, Aug. 13.

Tribe Polyglyptini

Genus *ENTYLIA* Germar

- Entylia bactriana* Germar. Counties: Anderson, Bourbon, Bullitt, Fayette, Fleming, Glendale, Hickman, Jefferson, Jessamine, Lincoln, McLean, Meade, Morgan, Nelson, Scott, Wolfe. May 5, June, July, Aug., Sept. 6.

Genus *PUBLILIA* Stål

- Publilia concava* (Say). Counties: Adair, Boone, Breathitt, Carter, Fayette, Fleming, Jefferson, Lincoln, Morgan, Nelson, Oldham. May 8, June, July, Aug. 12.
- Publilia reticulata* Van Duzee. Counties: Breathitt, Carter, Fleming, Jefferson, Nelson, Oldham, Perry, Wayne, Wolfe. April 12, May, June, July, Sept. 7.

Genus *VANDUZEEA* Goding

- Vanduzeeea arquata* (Say). Counties: Bourbon, Breckinridge, Bullitt, Fayette, Jefferson, Jessamine, Mercer, Perry. June 4, July, Aug., Sept., Oct., Nov. 11.
- Vanduzeeea triguttata* (Burmeister). NEW STATE RECORD. Counties: Bullitt, Jefferson. July 16, Sept. 25.

Tribe Smiliini

Genus *ATYMNA* Stål

- Atymna querci* (Fitch). NEW STATE RECORD. Counties: Jackson, Jefferson, Madison. May 19, June, July, Aug. 4.

Genus *CYRTOLOBUS* Goding

Cyrtolobus fenestratus (Fitch). NEW STATE RECORD. Caldwell Co. June 8.

Cyrtolobus maculifrontis (Emmons). NEW STATE RECORD. Counties: Christian, Fayette, Jefferson. May 16, June, Aug. 7.

Cyrtolobus vau (Say). NEW STATE RECORD. Caldwell Co. June 7.

Genus *OPHIDERMA* Fairmaire

Ophiderma definita Woodruff. NEW STATE RECORD. Jefferson Co. May 21-22.

Ophiderma evelyna Woodruff. NEW STATE RECORD. Fayette Co. May 26-28.

Ophiderma pubescens (Emmons). NEW STATE RECORD. Nelson Co. June 6-10.

Ophiderma salamandra Fairmaire. NEW STATE RECORD. Jefferson Co. May 10-June 17.

Genus *SMILIA* Germar

Smilia camelus (Fabricius). NEW STATE RECORD. Counties: Breathitt, Jefferson. May 17-June 8.

Genus *XANTHOLOBUS* Van Duzee

Xantholobus lateralis Van Duzee. NEW STATE RECORD. Caldwell Co. June 18.

Xantholobus muticus (Fabricius). Counties: Fayette, Larue. May 5-June 6.

Tribe Telamonini

Genus *ARCHASIA* Stål

Archasia belfragei Stål. NEW STATE RECORD. Counties: Breathitt, Trigg. June 14, Aug. 14.

Genus *CARYNOTA* Fitch

Carynota marmorata (Say). NEW STATE RECORD. Powell Co. June 22.

Carynota mera (Say). Counties: Jessamine, Madison, Trigg, Wayne. May 14, June, July 15.

Genus *GLOSSONOTUS* Butler

Glossonotus univittatus (Harris). NEW STATE RECORD. Oldham Co. June 14-19.

Genus *HELIRIA* Stal

Heliria molaris (Butler). NEW STATE RECORD. Jefferson Co. June 19.

Heliria strombergi Goding. NEW STATE RECORD. Counties: Jessamine, Scott. July 13, Sept.

Genus *PALONICA* Ball

Palonica pyramidata (Uhler). Fayette Co. June 5, Aug., Sept. 25.

Palonica viridia (Ball). NEW STATE RECORD. Counties: Jefferson, Robertson. June 27, Sept. 20.

Genus *TELAMONA* Fitch

- Telamona ampelopsidis* (Harris). Jefferson Co. May 16.
Telamona collina (Walker). Counties: Breathitt, Fayette, Jefferson. May 10, June, Aug. 15.
Telamona decorata Ball. NEW STATE RECORD. Counties: Meade, Russell, Wayne. July 10-14.
Telamona maculata Van Duzee. NEW STATE RECORD. Counties: Caldwell, McCracken. June 18, Aug. 8.
Telamona monticola (Fabricius). Counties: Fayette, Jefferson. May 10, Aug. 9.
Telamona reclinata Fitch. NEW STATE RECORD. Pulaski Co. July 9.
Telamona unicolor Fitch. NEW STATE RECORD. Counties: Caldwell, Jefferson, Oldham. June 13-14, Sept. 21.

Genus *THELIA* Amyot & Serville

- Thelia bimaculata* (Fabricius). Counties: Boyle, Crittenden, Fayette, Jefferson, Jessamine, Mercer, Oldham, Owen, Pendleton. June 25, July, Aug., Sept., Oct., Dec. 1.

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